

中国堇菜属植物新分类群*

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TAXA NOVA VIOLARUM SINENSIIUM

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关键词 堇菜属; 新分类群

Key words *Viola*; New taxa

本文共记载中国产堇菜属 4 个新种、6 个新变种。1 个补充描述, 1 个新名称。

光叶球果堇菜 新变种

Viola collina Bess. var. *intramongolica* C. J. Wang, var. nov.

(Subgen. *Viola*, Sect. *Viola*)

A var. *collina* differt foliorum laminis petiolisque omnino glabris, sepalis oblongis glabris tantum ad margines inferiores glandulis fulvidis parce obsitis, ad earum appendices ciliatis.

Nei Monggol (内蒙古): Xinganmong (兴安盟), Aershan (阿尔山), in the wood of the deciduous pine, alt. 1140 m, 3 Aug. 1982, Exped. Medic. 473 (Holotypus NWNNU, 主模式存西北师范大学植物研究所); the same locality, Dongshan (东山), grassy mountain slopes, alt. 1200 m, 5 Aug. 1982, Exped. Medic. 587.

本变种与原变种的区别是叶片及叶柄均无毛, 萼片长圆形, 两面均无毛, 仅沿边缘下方疏生黄褐色小腺体, 基部附属物疏生缘毛。

毛花鸡腿堇菜 新变种

Viola acuminata Ledeb. var. *pilifera* C. J. Wang, var. nov.

(Subgen. *Viola*, Sect. *Trigonocarpae* Godr.)

A var. *acuminata* differt floribus majoribus, calcaribus longioribus crassioribusque saepe 4—4.5 mm longis et 2—3 mm crassis; petalis superioribus prope basin intus barbatis; appendicibus (nectaribus) staminum infimorum cornutis 4—4.5 mm longis; stipulis lanceolatis, pubescentibus, margine parce serrulatis.

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5. 堇菜属植物新分类群
王庆瑞 1991

Gansu (甘肃): Lanzhou (兰州), alt. 1600—1800 m, in "Populus-Betula" forests on slopes, 7 May 1975, Wang Ching-jui (王庆瑞) et Chang Ai-min (张爱民) 4735 (Holotypus NWN, 主模式存西北师范大学植物研究所); the same locality, the same collector 4743, 4749, 4750, 7 May 1975; the same locality, Wang Ching-jui, without number, 18 May 1973.

本变种与鸡腿堇菜(原变种)的区别是花较大, 距长而粗, 长 4.5—5 mm, 粗 2—3 mm; 上方花瓣里面近基部有须毛; 下方两枚雄蕊的附属物呈长角形, 长 4—4.5 mm; 托叶披针形, 被短柔毛, 边缘疏生细齿。

长距堇菜 新种 图 1:1—8

Viola dolichoceras C. J. Wang, sp. nov.

(Subgen. *Viola*, Sect. *Plagiostigma* Godr.)

Affinis *V. epipsilae* Ledeb., a qua differt floribus albis majoribus 1. 3—2 cm diam., petalis lateralibus intus supra basin parce longeque barbatis, petalo infimo calcari longo crassoque praedito; laminis foliorum ovatis vel suborbiculatis, subtus purpuratis, stipulis ca. 2/3 petiolis adnatis.

Herba perennis, acaulis, ad 5—8 cm alta sub anthesi. Radices numerosae, elongatae et crassiusculae, flavidae. Rhizoma abbreviatum, verticale, dense articulatum, 0.5—1 cm longum, reliquiis foliorum emaridorum annotinorum et stipularum submembranacearum albidarumque circumcinctum. Folia basalia 6—8, rosularia; foliorum laminae chartaceae ovatae vel suborbiculatae, 1.3—2.5 cm longae et 1.5—2.2 cm latae, apice obtusae vel subacutae, basi late cordatae, margine obtusoserratae, serraturis ad apicem introflexis et glandulosis, utrinque plerumque glabrae, supra virides, subtus purpuratae, initio plerumque secus nervos breviter pilosae deinde decalvatae. Petioli graciles, 3—6 cm longi, glabri, exalati. Stipulae ca. 2/3 petiolis adnatae, partibus liberis linearibus vel subulatis 1—2.2 cm longis margine sparsim fimbriatis. Flores albi majores 1.3—2 cm diam., pedicellis glabris folia non superantibus. Bracteolae 2 suboppositae lineares ca. 1 cm longae, infra medium pedicelli suffultae. Sepala oblonga vel oblongo-lanceolata 7—9 mm longa, apice acuta, margine anguste membranacea, trinervia, basi appendicibus 1.5—2 mm longis truncatis et undulatis vel 3—5 non profunde dentatis praedita. Petala superioria obovata ca. 1.3 cm longa et 7—8 mm lata, lateralia anguste obovata ca. 1.2 cm longa et 6—7 mm lata, versus basin angustata intus supra basin moderate longeque barbata, petalum infimum cum calcari 1.5—2 cm longum, calcar cylindricum 6—7 mm longum et ca. 3 mm crassum apice rotundatum. Antherae 2—2.5 mm longae, projecturis connectivorum ultra loculos membranaceis 2—2.5 mm longis, appendicibus (nectaribus) staminum inferiorum ca. 4.5 mm longis et ca. 0.5 mm crassis apice gracilibus. Ovarium ovoideum ca. 2 mm longum; stylus clavatus ca. 2.8 mm longus basi leviter gracilis et prorsum geniculatus, apicem versus distincte spissescens; stigma deplanatum, utrinque et pone marginatum incrassatum, antice longe crasseque

erecto—rostellatum, ad apicem rostellii orificio crasso instructum. Capsula ellipsoidea ca. 6 mm longa, glaberrima, apice obtusa. Fl. V.

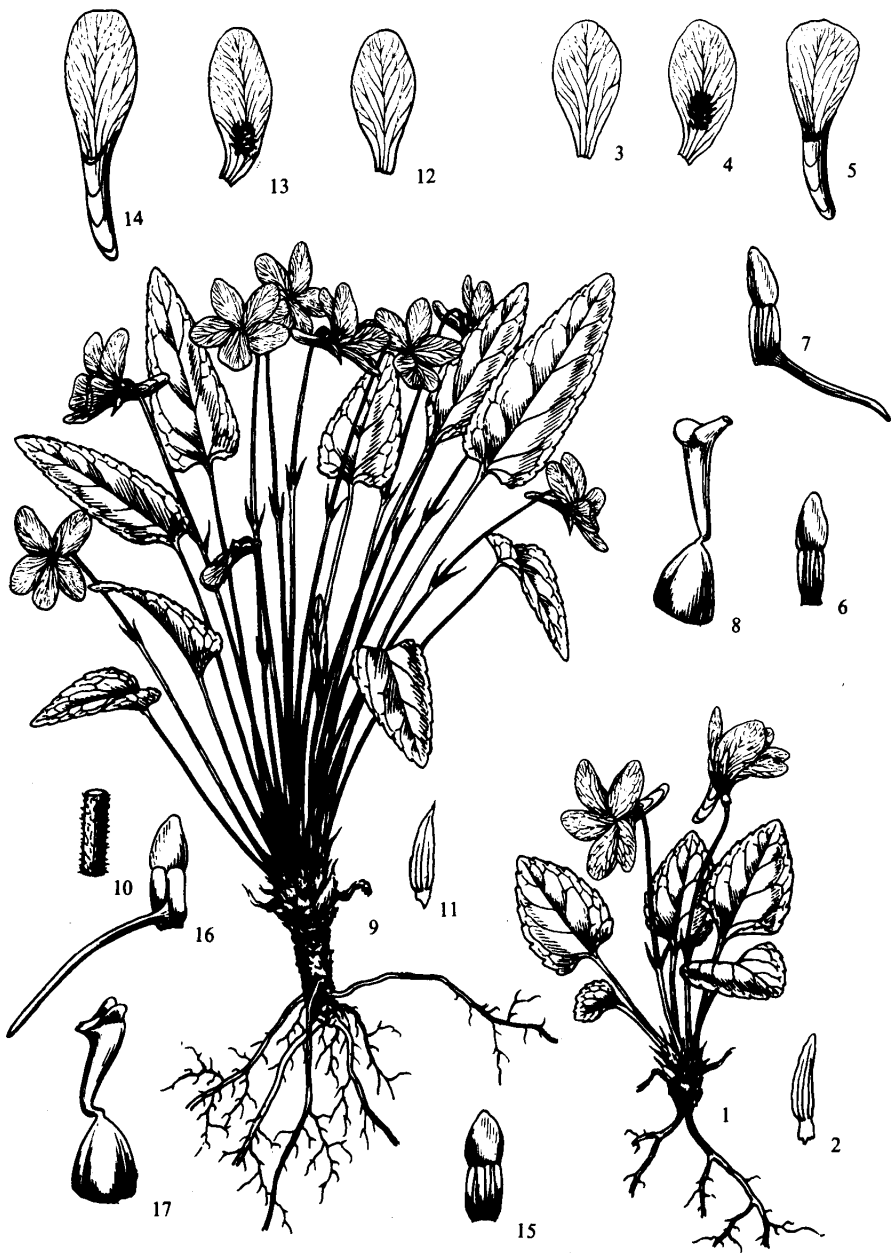


图 1 1—8. 长距堇菜 *Viola dolichoceras* C. J. Wang 1. 植株; 2. 萼片; 3. 上瓣; 4. 侧瓣; 5. 下瓣; 6—7. 雄蕊; 8. 雌蕊。9—17. 泰山堇菜 *Viola taischanensis* C. J. Wang; 9. 植株; 10. 叶柄放大; 11. 萼片; 12. 上瓣; 13. 侧瓣; 14. 下瓣; 15—16. 雄蕊; 17. 雌蕊。(白建鲁绘)

Liaoning (辽宁): Xifeng Xian (西丰县), 17 May 1974, Fu Peiyun (付沛云) 2935 (Holotypus FPI, 主模式存中国科学院林业土壤研究所).

本种与溪堇菜 *V. epipsila* Ledeb. 近似, 但花大, 直径 1.3—2 cm, 白色, 侧方花瓣里面稍有长须毛, 下方花瓣具长而粗的距; 叶片卵形或近圆形, 下面常带紫色; 托叶 2/3 与叶柄合生, 极易区别。

莲花山堇菜 新种 图 2: 1—8

Viola lianhuashanensis C. J. Wang et K. Sun, sp. nov.

(Subgen. *Viola*, Sect. *Adnatae* (W. Beck.) C. J. Wang)

Haec species *V. pseudo-bambusetoro* Chang affinis, sed floribus minoribus, sepalis purpureis, petalis brevissimis, 6—9 mm longis, lateralibus tantum paucibarbatis facile differt.

Herba perennis acaulis, ca. 3—7 cm alata. Rhizoma verticale elongatum, 3.5—8 cm longum et 1—2.5 mm crassum, internodiis 0.5—3 cm longis, ad nodos et apice reliquiis petiolorum emarcidorum brunneorum annotinorum et stipularum emarcidarum vestitum. Laminae foliorum ovatae vel ovato-rodundatae, 0.9—1.6 cm longae et 0.8—1.4 cm latae, apice acutae, basi cordatae vel subcordatae, margine serrulotae, utrinque glabrae, supra atro-virides, subtus purpurascentes; petioli graciles glabrique, 2—5 cm longi, apicem versus sensim purpurascentes; stipulae fuscae, ca. 1/2 petiolis adnatae, partibus liberis late lanceolatis vel lanceolatis, 3—5 mm longis et 1—2 mm latis, apice acuminatis, margine subdenticulatis vel integris, glabris. Flores minores, dilute violacei; pedicelli tenues, 5—8 cm longi plerumque folia superantes, apicem versus sensim purpurascentes, prope medium bibracteolis oppositis praediti; bracteolae lineares ca. 4 mm longae subintegrae, dilute purpureae. Sepala atropurpurea, 3 exteriora anguste ovato-lanceolata, 2—3 mm longa et ca. 1.5 mm lata, 2 interiora anguste lanceolata, 2—2.5 mm longa et ca. 0.8 mm lata, apice acuta, basi appendicibus brevissimis obtusis praedita. Petala purpureo-striata, superiora obovata, 6—8 mm longa, apice obtusa basi angustata, lateralia oblongo-obovata 7—9 mm longa et 3—4 mm lata, intus supra basin paucibarbata, petalum infimum spathulatum cum calcar 7—8 mm longum, apice 2 emarginatum; calcar tubulosum, 2.5—3 mm longum et ca. 1.5 mm crassum. Antherae ca. 2 mm longae, Projecturis connectivorum loculos superantibus ca. 1 mm longis, appendicibus (nectaribus) staminum inferiorum breviter cornutis ca. 1.5 mm longis. ovarium glabrum; stylus clavatus, basi leviter geniculatus, apicem versus sensim spissescens. Stigma apice deplanatum utrinque poneque marginatum, antice breviter rostellatum, ad apicem rostellii orificio tenuiore instructum. Numerus chromosamatum $2n = 24$.

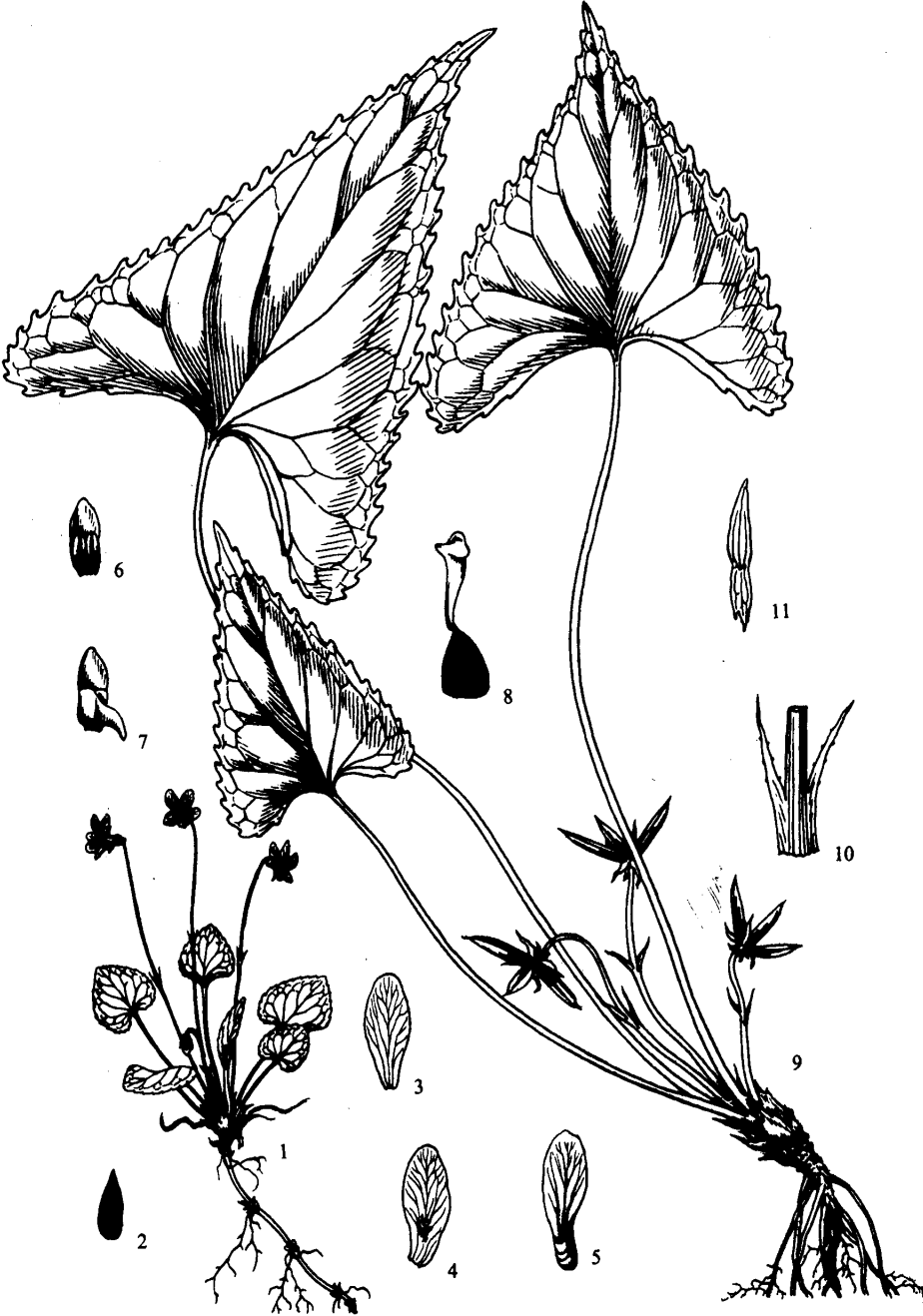


图 2 1—8. 莲花山堇菜 *Viola lianhuashanensis* C. J. Wang et K. Sun 1. 植株; 2. 萼片; 3. 上瓣; 4. 侧瓣; 5. 下瓣; 6—7. 雄蕊; 8. 雌蕊。9—11. 犁头叶堇菜 *Viola magnifica* C. J. Wang et X. D. Wang 9. 植株; 10. 托叶; 11. 萼片。(白建曾绘)

Gansu (甘肃): Kangle (康乐), Lianhuashan (莲花山), alt. 2400 m ,31 May 1988, K. Sun (孙坤) 88161 (Holotypus NWNU, 主模式存西北师范大学植物研究所); the same

locality, alt. 2800 m, 28 May 1988, K. Sun 88137, 88133.

本种与圆叶堇菜 *V. pseudo-bambusetorum* Chang 相似, 但花小, 花瓣较短, 长 6—9 mm, 侧瓣有少量须毛, 萼片紫红色, 叶通常卵形等可与后者区别。

毛花早开堇菜 新变种

***Viola prionantha* Bunge var. *trichantha* C. J. Wang, var. nov.**

(Subgen. *Viola*, Sect. *Adnatae* (W. Beck.) C. J. Wang)

A varietate typice differt corollis majoribus ca. 2 cm diam., petalis lateralibus dense barbatis et superioribus moderate barbatis intus prope basin, petalo infimo cum caldari 2—2.5 cm longo, caldari 8—10 mm longo.

Beijing (北京): Wutasi (五塔寺), on the road-side or in grassy and sunny place. 28 Mar. 1983, C. J. Wang (王庆瑞) 12002 (Holotypus NWNU, 主模式存西北师范大学植物研究所)。

本变种与原变种的区别在于花冠较大, 直径约 2 cm, 侧方花瓣里面近基部密被长须毛, 上方花瓣有少量须毛, 下方花瓣连距长 2—2.5 cm, 距长 8—10 mm。

泰山堇菜 新种 图 1: 9—17

***Viola taischanensis* C. J. Wang, sp. nov.**

(Subgen. *Viola*, Sect. *Adnatae* (W. Beck.) C. J. Wang)

Species haec habitu *V. prionanthae* Bge. similis, a qua plantis dense bruno-pubescentibus, laminis foliorum oblongis vel oblongo-ovatis, basi subcordatis, petiolis gracilibus elongatis, petalis lateralibus intus ebarbatis, stigmatis utrinque et pone distincte erecto-marginatis bene differt.

Herba perennis, acaulis, ad 10—13 cm sub anthesi. Radices numerosae, elongatae, brunneolae. Rhizoma verticale, crassiusculum, 1—2 cm longum, 4—7 mm crassum, dense articulatum, brunneolum. Folia basalia numerosa, rosulata; foliorum laminae oblongae, oblongo-ovatae vel anguste ovatae, 2—4 cm longae, 1—1.8 cm latae, apice obtusae, basi subcordatae subtruncatae, margine non profunde obtuso-serratae, utrinque brunneo-pubescentes. Petioli graciles, 4—9.5 cm longi sub anthesi, dense brunneo-pubescentes, tantum superne anguste alati. Stipulae exterius membranaceae, glaucae, interius atrovirentes. ca. 2/3 petiolis adnatae, margine sparsim breviterque glandulosodentatae, partibus liberis lineari-lanceolatis, 5—7 mm longis apice acuminatis. Flores purpurascens, majores, numerosi, ca. 2.5 cm longi; pedicelli folia superantes vel ea aequantes, pubescentes, praecipue in partibus superioribus densius pubescentes, prope medium bibracteolis linearibus praediti. Sepala anguste ovata vel late lanceolata, 5—7 mm longa, 2—2.5 mm lata, apice acuta vel acuminata, margine anguste membranacea, basi breviter appendiculata, appendicibus quadratis 1—1.5 mm longis apice truncatis vel obtusis plerumque bidentatis vel edentatis. Petala obovata, apice obtusa vel mucronata, superioria 13—15 mm longa et 7—8 mm lata, lateralis 1.3—1.5 cm longa et ca. 8 mm lata intus supra basin ebarbata, petalum infimum cum caldari 2.3—2.5

cm longum; calcar cylindricum, 8—9 mm longum, ca. 2 mm crassum, horizontale vel leviter ascendens. Antherae oblongae ca. 1.2 mm longae, projecturis connectivorum loculos superantibus triangulari-ovatis ca. 1.8 mm longis; staminum inferiorum appendices lineares, 4—4.5 mm longae plerumque ad apicem ca. $1/3$ recurvatae. Ovarium ovoideum, glabrum; stylus clavatus, basi subgeniculatus apicem versus sensim spissescens; stigma apice depressum, utrinque et pone distincte marginatum erectum, antice breviter rostellatum, ad apicem rostellum distincte orificio ornatum. Fl. IV—V.

Shandong (山东): Taishan (泰山), 24 Apr. 1942, H. Migo, without collect number. (Holotypus JSBI, 主模式存江苏植物研究所)

本种与早开堇菜 *V. prionantha* Bunge 近似, 但全体密被褐色短毛, 叶片长圆形或长圆状卵形, 基部多浅心形, 叶柄细长, 侧方花瓣里面无须毛, 柱头两侧及后方具明显而直立的缘边可以区别。

犁头叶堇菜 新种 图 2: 9—11

Viola magnifica C. J. Wang et X. D. Wang, sp. nov.

(Subgen. *Viola*, Sect. *Vaginatae* (W. Beck.) C. J. Wang)

A ceteris speciebus sinensis laminis foliorum majoribus, triangularibus vel triangulari-ovatis vel oblongo-ovatis, lobis lateralibus distantibus, margine inflexe et grosse serratis valde distincta.

Herba perennis, acaulis, usque ad ca. 28 cm alta. Rhizoma crassiusculum, 1—2.5 cm longum, 0.5—1 cm crassum, radices cylindricas numerosas et radicellas fibrosas multas emittens. Folia basilaria plerumque 5—7; laminae foliorum sub fructu triangulares vel triangulari-ovatae vel oblongo-ovatae, 7—15 cm longae et 4—8 cm latae, apice acuminatae, basi latissimae aperte cordatae vel profunde cordatae, lobis lateralibus majoribus et distantibus, margine grosse serratae, serraturis apice obtusis et inflexis, utrinsecus glabrae vel subtus secus nervos sparsim pubescentes, supra atro-virides. Petioli ad ca. 20 cm longi, glabri, superne angustissime alati. Stipulae majores, $2/3$ — $1/2$ petiolis adnatae, partibus liberis linearibus vel anguste lanceolatis margine integrae vel sparsim serrulatae. Capsula ellipsoidea, 1.2—2 cm long et ca. 5 mm diam. glabra; stipite 4—15 cm long prope medium vel inferne bibracteolis ornato; bracteolae lineares vel lineari-lanceolatae, 7—10 mm longae. Sepala persistentia anguste ovata, 4—7 mm longa, basi appendicibus 3—5 mm longis apice dentatis. Flores a nobis non visa.

Anhui (安徽): Huangshan (黄山), Huadong Work Station (华东工作站) 6528; the same locality, alt. 1550 m, Tsoong Pu-chiu (钟补求) 3476; Yuexi (岳西), alt. 950 m, Huadong Work Station 7032; Jinzhai (金寨), Huadong Work Station 6806. Zhejiang (浙江): Xitianmushan (西天目山), alt. 1480 m, Deng Maobien (邓懋彬) 4006; The same locality, alt. 1100 m, the same collector 4065; Changhua (昌化), Xitianmushan, Changhua Exped. (昌化队) 31169, 31306; Damingshan (大明山), Chang-hua Exped. 30569; the same locality, alt. 1000 m, in woods of mountains, Exped. Zhejiang Plant Resources (浙

江植物资源考察队) 29174; the same locality, Zhu Heqing (朱和卿) 962; Fenghua (奉化), along valley streams, He Xianyu (贺贤育) 26392. Jiangxi (江西): Lushan (庐山), Xiong Ziyu (熊紫育) 76472; the same locality, Xiong Yaoguo (熊耀国) 7059; Wugongshan (武功山), alt. 800 m, in thickets, Exped. Jiangxi Plant (江西植物考察队) 369; the same locality, Wanggouchong (汪狗冲), alt. 750 m, in thickets of valley, Exped. Jiangxi Plant 1660; Xiushui (修水), Wang Ming-jin (王名金) 0814; the same locality, Nie Minxiang (聂敏祥) 8110173, 8110176, 8110339, 05382; the same locality, Xiong Jie (熊杰) 05634, 05655; Yong-xiu (永修), Xiong Yao-guo 7464. Hunan (湖南): Hengshan (衡山), in wood, Chen Shaoqing (陈少卿) 3416; the same locality, in wood, Liu Ying (刘嫔) 267; the same locality, on mountain slopes, Liu Lin-han (刘林翰) 15760. Hubei (湖北): Tongcheng (通城), Xiong Jie 06082; Hongyan Iron-factory (红岩铁厂), alt. 880 m, Li Hongjun (李洪钧) 8635, 6835; Wudangshan (武当山), without collector 01352. Sichuan (四川): Chengkou (城口), alt. 1950 m, in streamside, 11 Oct. 1958, Tai Tian-lun (戴天伦) 106518 (Holotypus JSBI, 主模式存江苏植物研究所); the same locality, alt. 2000 m, in moist place. Tai Tian-lun 106634. Yunnan (云南): Deqin (德钦), alt. 3000—3100 m, 5 Aug. 1940, Feng 5964.

本种叶片大, 三角形、三角状卵形或长卵形, 两侧裂片开展, 边缘具内曲的粗锯齿, 与国产的其它种有明显的区别。

尖叶柔毛堇菜 新变种

***Viola principis* H. de Bioss. var. *acutifolia* C. J. Wang, var. nov.**

(Subgen. *Viola*, Sect. *Serpentes* (W. Beck.) C. J. Wang)

A var. *principi* recedit foliis apice acutis acuminatisve, basi plerumque apertocordatis; petalis lateralibus intus basi distincte longiusque barbatis; saepe estolonibus.

Sichuan (四川): Jinfoshan (金佛山), alt. 1990 m, on rock, 1 Apr. 1957, Xiong Ji-hua (熊济华) 91131 (Holotypus PE, 主模式标本存中国科学院植物研究所); without locality, The Academy of Sciences in Western China (中国西部科学院) 2993; Nanchuan (南川), alt. 550 m, on rock, 5 Apr. 1957, Li Guo-feng (李国风) 60325; Wushan (巫山), alt. 1450 m, 21 Apr. 1958, Yang Guang-Hui (杨光辉) 57769.

本变种与柔毛堇菜 (原变种) 的区别在于叶先端急尖或渐尖, 基部通常宽心形, 侧方 2 枚花瓣里面基部有明显的长须毛; 通常无匍匐枝。

须毛七星莲 (短须蔓茎堇菜) 新变种

***Viola diffusa* Ging. var. *brevibarbata* C. J. Wang, var. nov.**

(Subgen. *Viola*, Sect. *Diffusae* (W. Beck.) C. J. Wang)

A var. *diffusa* recedit petalis lateralibus intus prope basin brevibarbatis.

Shanxi (陕西): Hanzhong (汉中), Moujiaba (牟家坝) Qiao Yinglin (乔英林) 01620; Shanyang Xian (山阳县), Yang Jinxiang et al. (杨金祥等) 2554. Gansu (甘肃): Wen Xian (文县), Fanba (范坝), 28 Mar. 1988, Wang Xiaodong et al. (王晓东等) 0273 (Holotypus NWN, 主模式存西北师范大学植物研究所); the same locality, Bikou (碧口), Sun Kun

(孙坤) 88001; Kang Xian (康县), Jiaan (贾安) Ho Yechi et al. (何业祺等) 208. Anhui (安徽): Huangshan (黄山), huadong work station (华东工作站) 6461. Zhejiang (浙江): Tianmushan (天目山), He Xianyu (贺贤育) 20926, 20962; Suichang (遂昌), Zhejiang museum 5070; Longquan (龙泉), Xinzhai (新寨), Zhang Shaoyao (章绍尧) 4539. Jiangxi (江西): Lushan (庐山), Wang Jianglin et al. (王江林等) 79021; the same locality, Lin Yang (林英) 13203. Fujian (福建): Chongan (崇安), Tianxianyan (天仙岩), Wang Mingjin et al. (王名金等) 3015. Hong Kong (香港): S. Y. Hu (胡秀英) 9828. Guangxi (广西): Lingui (临桂县), Cheng Liqing (陈立卿) 94517. Sichuan (四川): Fengjie (奉节), Liu Guanghua (刘光华) 0077. Yunnan (云南): Luxi Xian (泸西县), H. T. Tsai (蔡希陶) 56444; Gongshan (贡山), Qinghai-Xizang Exped (青藏队) 9333. Xizang (西藏): Motuo (墨脱), Chen Shuzhi (程树志) 02748, 03151, 14372.

本变种与原变种的区别在于侧方花瓣里面近基部有短须毛。

Gingins 于 1924 年以尼泊尔产植物为模式发表 *Viola diffusa* Ging. in DC. Prodr. 1:298. 1824. 未曾记载花瓣的性状。后来, 1861 年 G. Bentham 在 *Flora Hongkong - ensis* 以及 Hooker f. and T. Thomson 1872 年在 *Flora of British India* 中研究中国及其邻近国家堇菜属植物时, 对该种植物花瓣的性状亦未曾加以记载。直至 1877 年 C. J. Maximowicz 在 *Diagnoses Plantarum Novarum Asiaticorum* 中记载了该种植物的花淡紫色, 无须毛, 具短距。1923 年 W. Becker 在 *Violae Asiaticae et Australenses V.* 专著中对该种作了较为详细的描述, 他引证了 Wilson 在我国湖北西部及 Henry 在我国中部地区所采的标本, 明确指出侧方花瓣无须毛。此外, Ohwi 在日本植物志中描述日本产的该种植物时指出其侧方花瓣无须毛。Jacobs & Moore 1977 年在 *Fl. Malesiana* 中记载马来西亚产的该种植物侧瓣无须毛。由此可见亚洲产的七星莲侧方花瓣里面基部无须毛。

我们在整理国内标本过程中仅发现四川、云南及浙江产的少数标本侧方花瓣里面基部无须毛, 符合本种原始描述。但大部分地区的标本侧方花瓣里面基部有明显的短须毛, 而植物的其它特征与侧瓣无须毛类型无明显的差异。故将侧方花瓣被短须毛者作为变种处理。

密毛粗齿堇菜 新变种

Viola urophylla Franch. var. *Densivillosa* C. J. Wang, var. nov.

(Subgen. *Dischidium* (Ging.) Peterm., Sect. *Brevicalcaratae* (W. Beck.) Juz.)

A var. *urophylla* recedit caulibus supra medium et petiolis dense villosis albis patulisque; stipulis et laminis foliorum utrinsecus sparsim villosis, subtus ad nervos densius villosis, margine dense ciliatis.

Yunnan (云南): LiJiang (丽江), alt. 2500 m, July 1935, C. W. Wang (王启无) 71700 (Holotypus PE, 主模式存中国科学院植物研究所); the same locality, alt. 2500 m, July 1935, C. W. Wang 71294. Sichuan (四川): Kangding (康定), Gonggashan (贡嘎山), alt. 3630 m, 9 June 1980, Zhao Zenju (赵振镛) 112798.

本变种与原变种的区别在于茎中上部和叶柄密被白色开展的柔毛, 托叶及叶片两面

散生柔毛，叶下面尤其沿叶脉毛较密，边缘密生缘毛。

庐山堇菜

Viola stewardiana W. Beck. In Fedde, Repert. Sp. Nov. 21: 237. 1925.

Descr. ampl. Flores conspicui, pallide violacei, longissime pedicellati; pedicelli folia aequantes vel ea paullo superantes, supra medium bibracteolis linearibus praediti. Sepala agusteovata vel oblongo-lanceolata, 3—3.5 mm longa, apice acuta, trinervia, basi appendicibus abbreviatis rotundatis, margine integra, glabra. Petala distincte emarginata, superiora spathulata ca. 8 mm longa, lateralia oblonga intus ebarbata, infimum obovato—elongato—ovatum cum calcar ca. 1.4 cm longum; calcar crassiusculum, ca. 6 mm longum, deorsum directum. Ovarium glabrum; stylus basi subgenniculatus, ab imo ad summum crassiusculatus, ad apicem non papillari-hirsus; stigma apice convexum, emarginatum, antice breviter subsursumque rostellatum. orificio subampliore ornatum.

心叶堇菜

Viola concordifolia C. J. Wang nom. nov.——*V. cordifolia* W. Beck. in Kew Bull. Misc. Inform. 6: 201. (1929) non Schwein 1822 nec Schur 1877.

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